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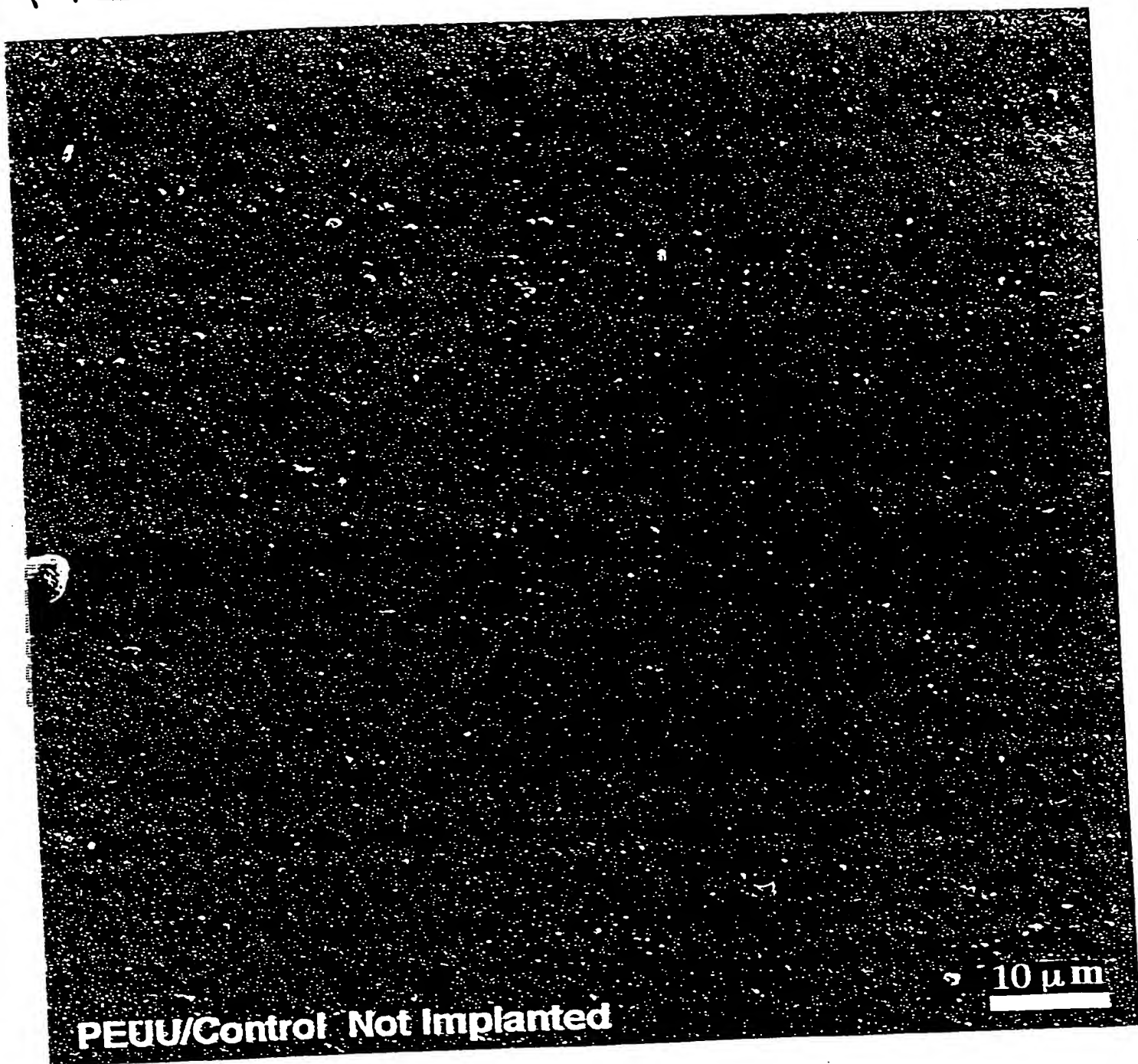
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FIG. 1

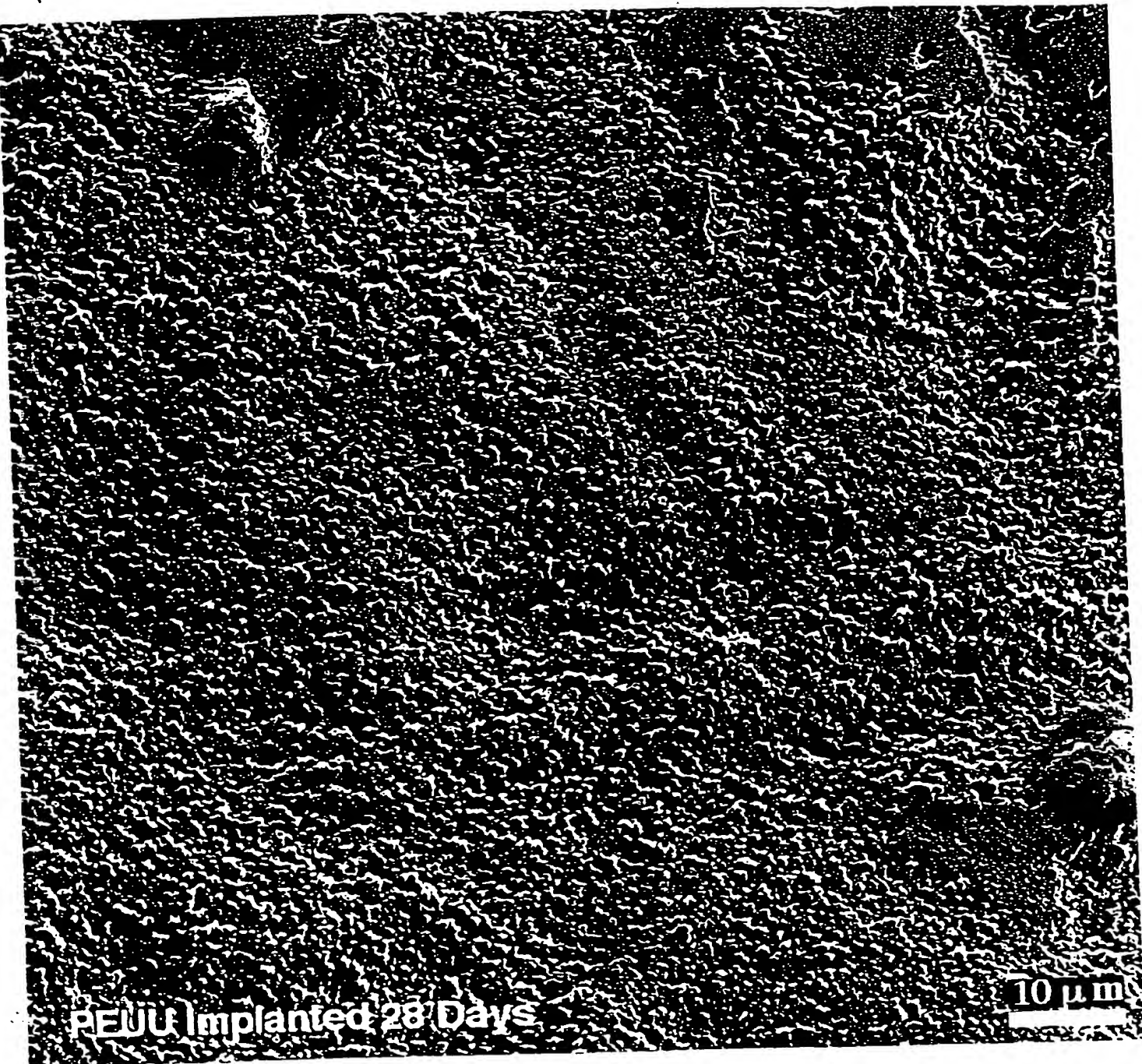


PEUU/Control Not Implanted

10  $\mu$ m

2/13

FIG. 2



3/13

FIG. 3

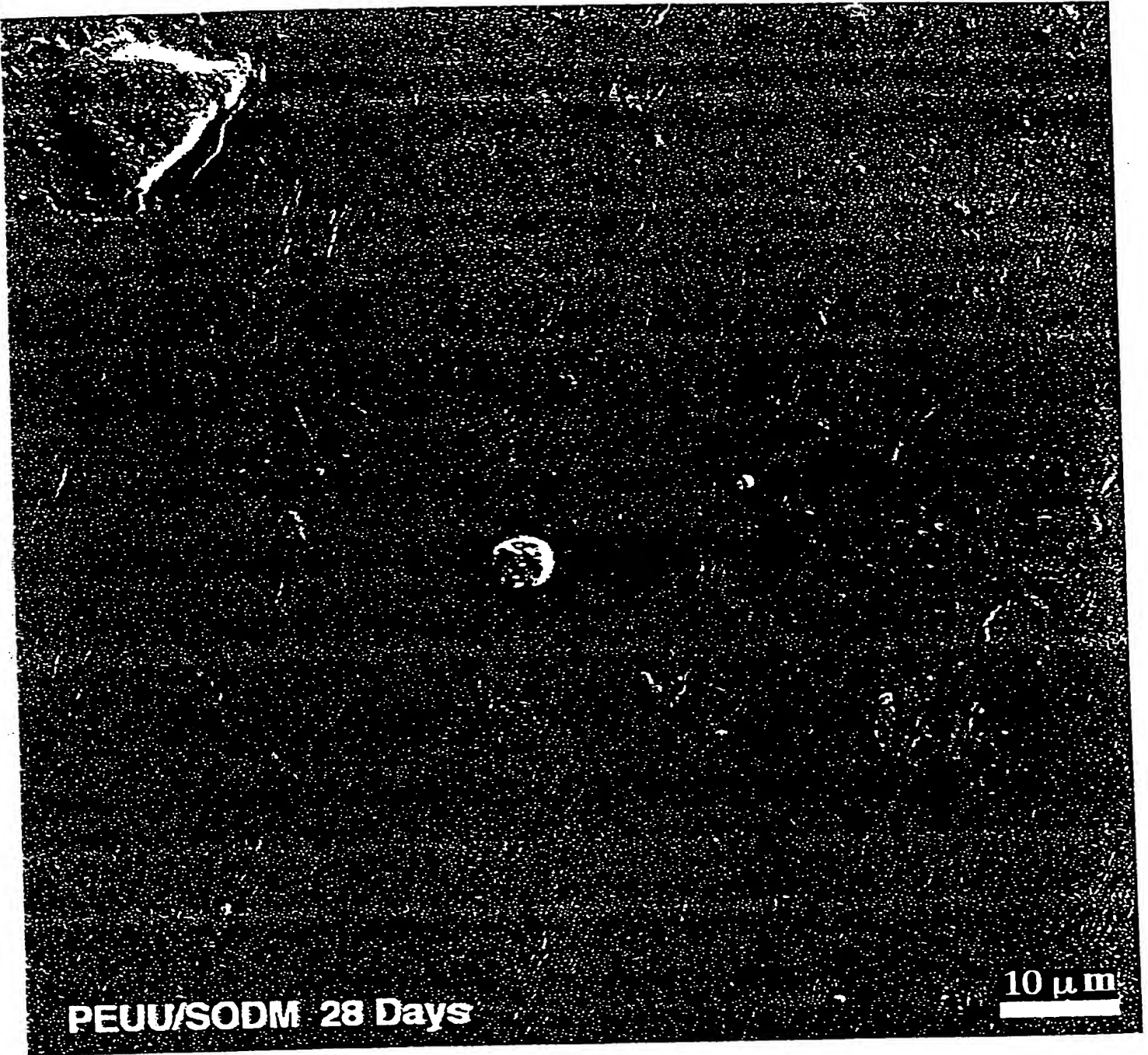
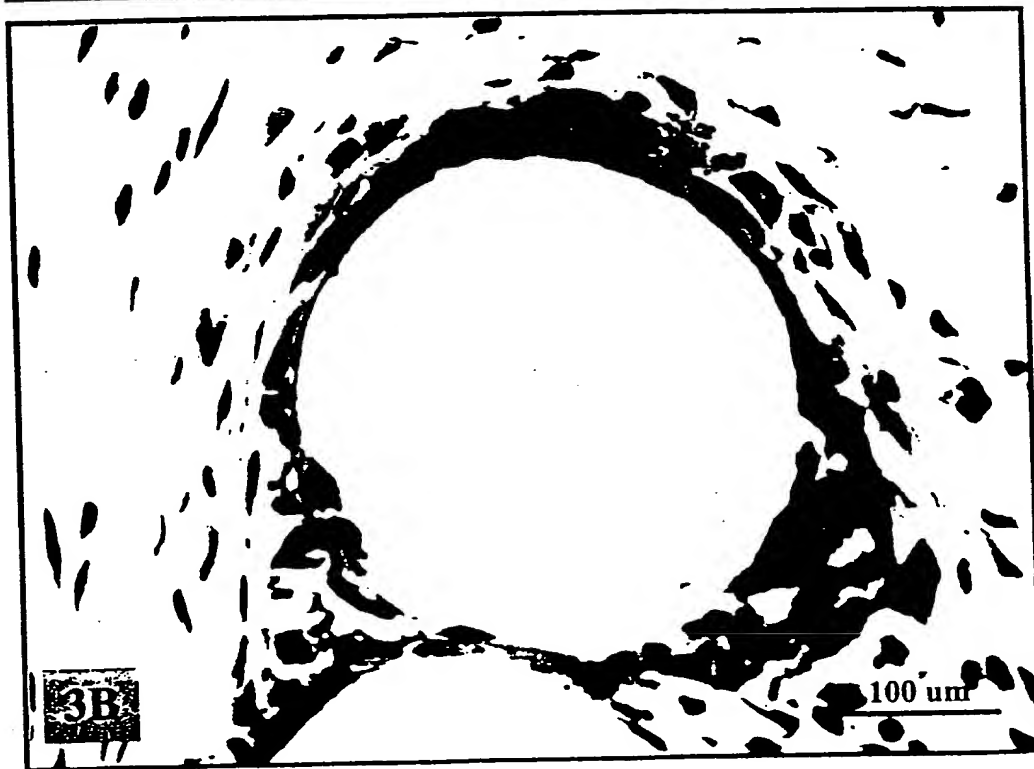
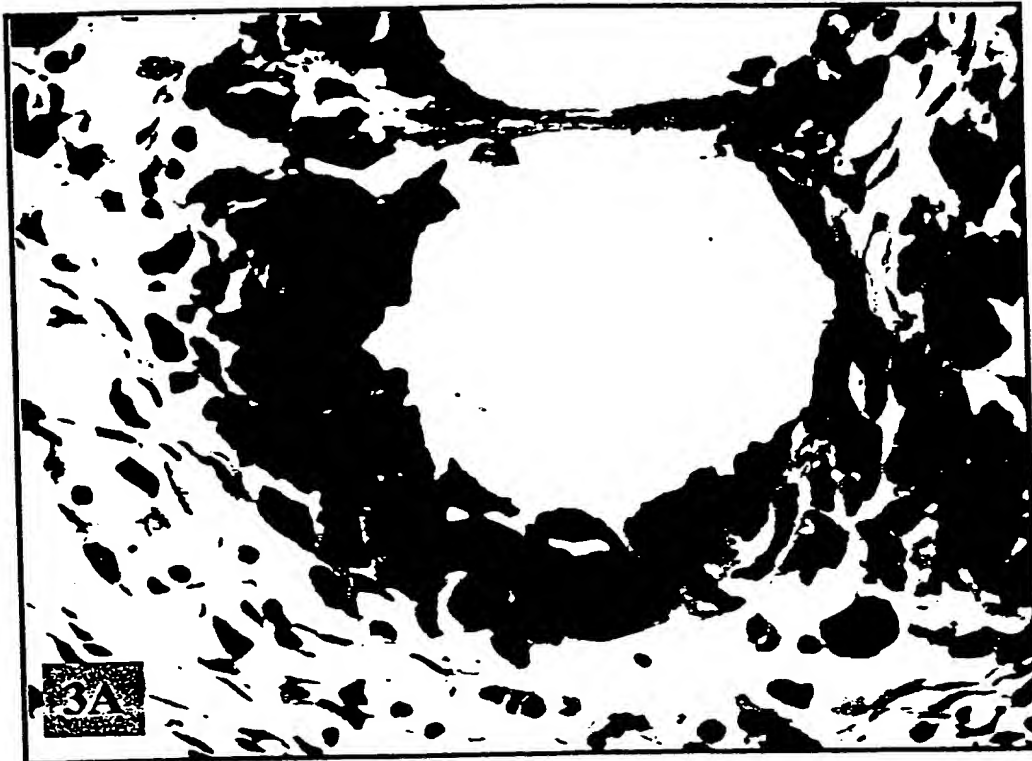


FIG. 4



009250 2008560

5/13

FIG. 5

## SODm - Polyethylene Implants at Day 3.

- A. Control. Dense granulation tissue consisting of neutrophils and macrophages lie next to implant. Bar = 20  $\mu$ m.
- B. Low dose SODm; Little or no granulation tissue present. Neutrophils rarely observed. Macrophages (arrows) cover implant and are present through out implant capsule.
- C. High dose SODm; Neutrophils are not present in capsule. Macrophage numbers also greatly reduced. Fibroblasts are major cell of capsule.

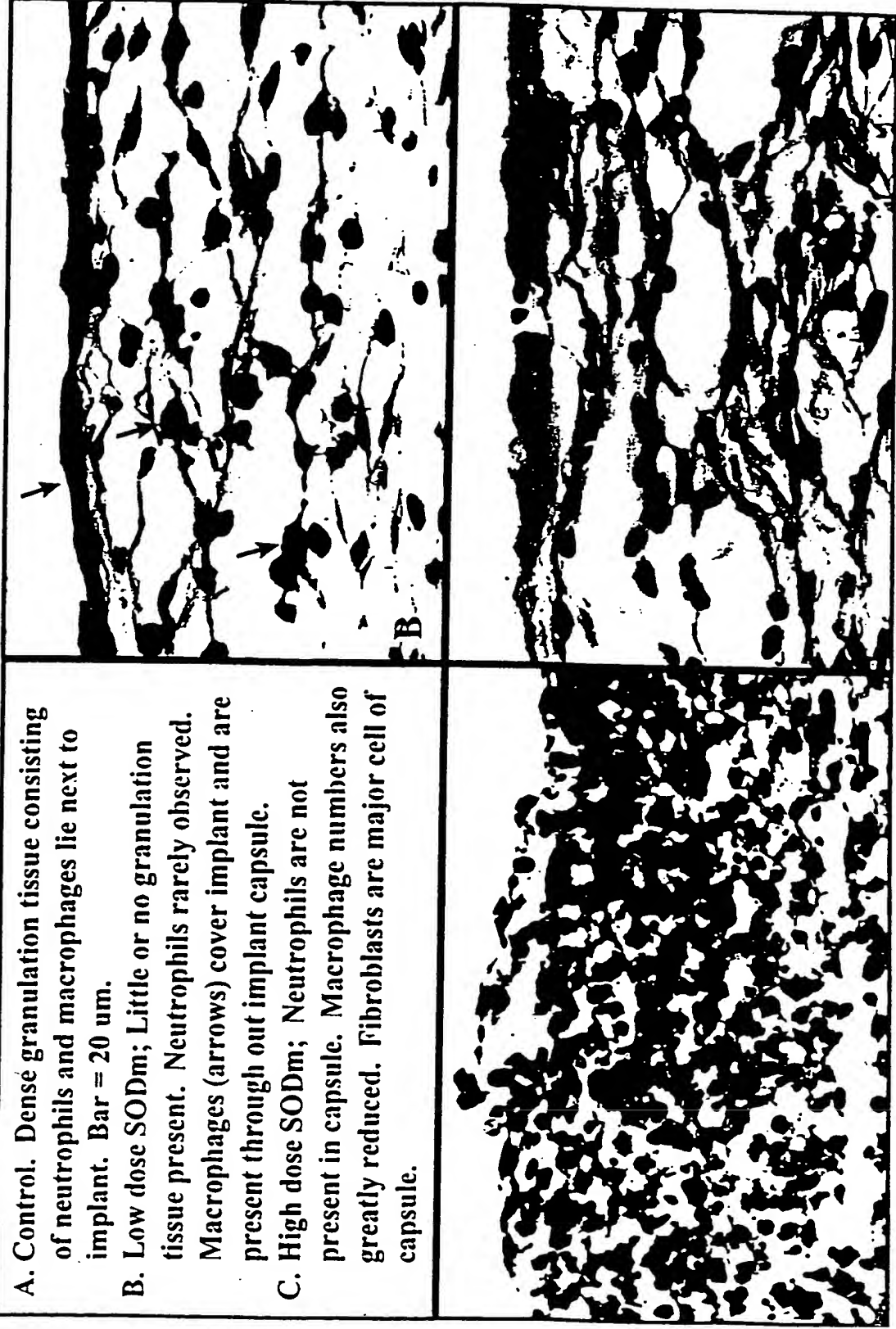


Figure 1 consists of three panels, A, B, and C, showing histological sections of the capsule. Panel A (Control) shows a thick capsule with many foreign body giant cells (FBGCs) and fibroblasts. Panel B (Low dose SODm) shows a thinner capsule with fewer FBGCs and fibroblasts. Panel C (High dose SODm) shows a very thin capsule with significantly fewer cells and less matrix. Arrows in panels A and B point to the crevice in the PE surface. A scale bar is present in panel A.

**A. Control; Foreign body giant cells, FBGCs,**

(arrow) lie immediately next to each other. The implant capsule consists of layered fibroblasts and collagen matrix. Bar = 20  $\mu$ m.

B. Low dose SODm; FBGCs are reduced but present in crevices long PE surface. Capsule content similar to control.

**C. High dose SODm; FBGCs are rarely observed. Implant capsule significantly reduced in thickness with fewer cells and less matrix.**



**Crevice in PE surface.**

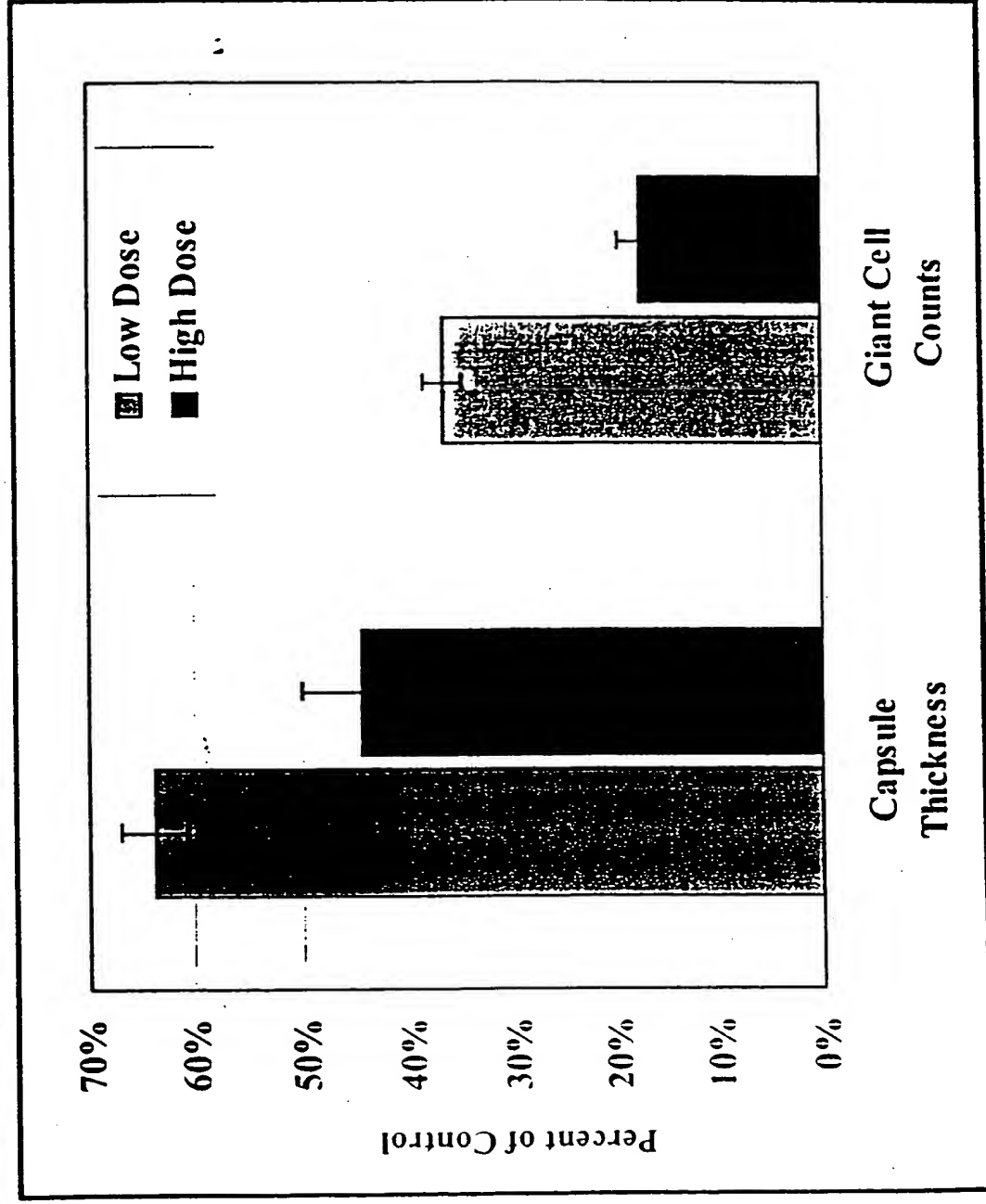




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# Effect of SODm on Chronic Inflammation;

## Foreign Body Giant Cells and Capsule Thickness; Day 28





## FIG. 8

## SODm - Polyurethane Implants at Day 28.

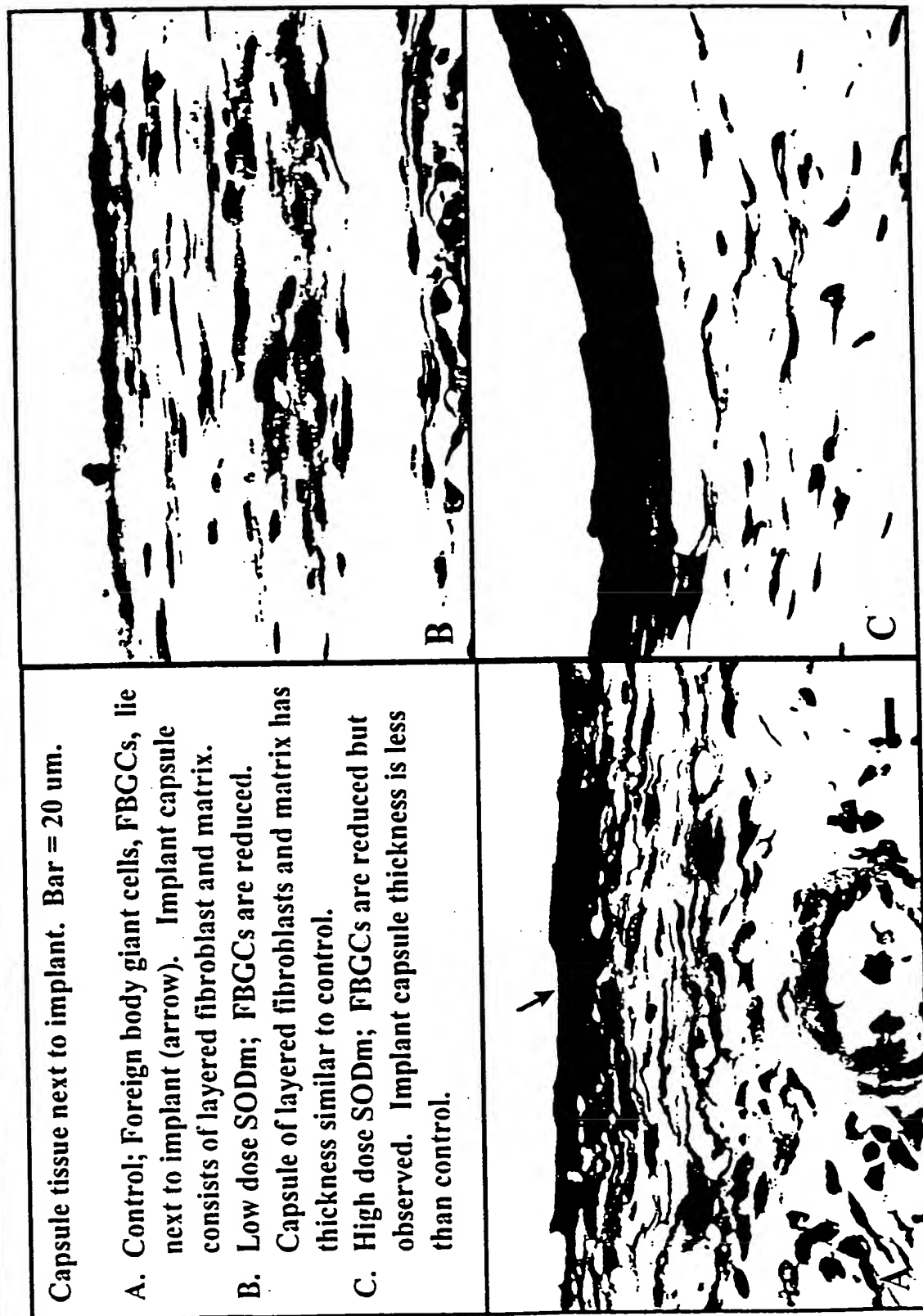


FIG. 9

SODm -Tantalum Implant at 3 days



FIG. 10  
SODm -Tantalum Implant at 28 days

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FIG. 13

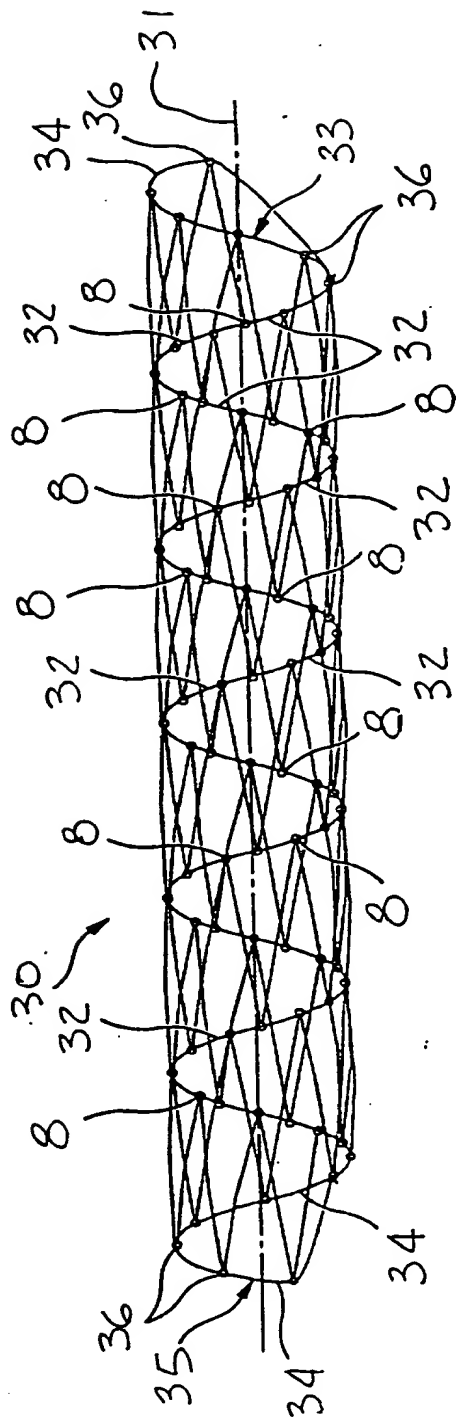


FIG. 14



FIG. 15

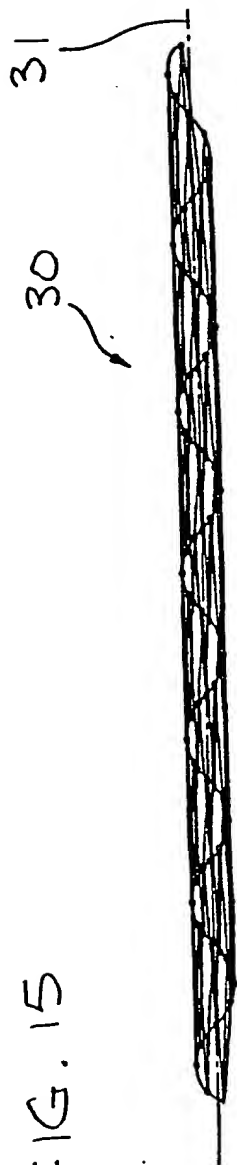


FIG. 16

